



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 36 4022

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (InCL1.7)
X	US 2002/180892 A1 (CACCIATORE RAYMOND D ET AL) 5 December 2002 (2002-12-05) * paragraphs '0016!', '0017!', '0045! - '0048!', '0113! *	1-6	H04N9/64 H04N9/11
A	US 5 805 213 A (SPAULDING KEVIN E ET AL) 8 September 1998 (1998-09-08) * column 7, line 33 - column 10, line 62 *	1-6	
A	EP 1 239 668 A (EASTMAN KODAK CO) 11 September 2002 (2002-09-11) * paragraphs '0033! - '0043! *	1-6	
A	US 6 243 133 B1 (SPAULDING KEVIN E ET AL) 5 June 2001 (2001-06-05) * column 7, line 30 - column 10, line 25 *	1-6	
X	EP 1 102 478 A (CANON KABUSHIKI KAISHA) 23 May 2001 (2001-05-23) * paragraph '0044! - paragraph '0047! *	7,8	
X	EP 0 948 194 A (SEIKO EPSON CORPORATION) 6 October 1999 (1999-10-06) * paragraphs '0090! - '0100! *	7,8	TECHNICAL FIELDS SEARCHED (InCL1.7) H04N
A	US 5 754 184 A (RING ET AL) 19 May 1998 (1998-05-19) * abstract; figure 2 *	7,8	
X	US 2003/012427 A1 (MARTINEZ-URIEGAS EUGENIO ET AL) 16 January 2003 (2003-01-16) * paragraph '0027! *	9-12	
X	EP 0 974 934 A (CANON KABUSHIKI KAISHA) 26 January 2000 (2000-01-26) * paragraphs '0084! - '0103! *	9-12	
----- -/--			
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 July 2005	Examiner Pigniez, T
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			

BEST AVAILABLE COPY

page 1 of 2



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 04 36 4022

DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)	
A	US 2003/122842 A1 (NEWMAN TODD) 3 July 2003 (2003-07-03) * paragraphs '0041! - '0043! *	9-12		
X	US 5 333 069 A (SPENCE ET AL) 26 July 1994 (1994-07-26) * abstract; figure 1 *	13		
X	EP 0 556 133 A (EASTMAN KODAK COMPANY) 18 August 1993 (1993-08-18) * page 9, line 20 - line 39; figure 1 *	13		
A	EP 0 993 180 A (NEC CORPORATION) 12 April 2000 (2000-04-12) * abstract; figure 1 *	13		
A	US 2003/030754 A1 (TSUKADA MASATO) 13 February 2003 (2003-02-13) * paragraph '0027! *	13		
A	US 5 212 546 A (ARAZI ET AL) 18 May 1993 (1993-05-18) * abstract; figure 2 *	13		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	EP 1 237 379 A (EASTMAN KODAK COMPANY) 4 September 2002 (2002-09-04) * abstract; figure 1 *	13		
A	WO 01/78368 A (DEMOGRAFX; DEMOS, GARY, E; RUHOFF, DAVID) 18 October 2001 (2001-10-18) * abstract; figure 1 *	13		
The present search report has been drawn up for all claims				
Place of search The Hague		Date of completion of the search 28 July 2005	Examiner Pigniez, T	
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document				

BEST AVAILABLE COPY

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 36 4022

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-07-2005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002180892 A1	05-12-2002	US 6417891 B1 AU 4349900 A WO 0063840 A1	09-07-2002 02-11-2000 26-10-2000
US 5805213 A	08-09-1998	NONE	
EP 1239668 A	11-09-2002	US 2002163676 A1 DE 60200724 D1 EP 1239668 A1 JP 2002359858 A	07-11-2002 19-08-2004 11-09-2002 13-12-2002
US 6243133 B1	05-06-2001	NONE	
EP 1102478 A	23-05-2001	US 6603483 B1 EP 1102478 A2 JP 2001218079 A	05-08-2003 23-05-2001 10-08-2001
EP 0948194 A	06-10-1999	US 6181445 B1 EP 0948194 A2 JP 11317881 A US 6421142 B1	30-01-2001 06-10-1999 16-11-1999 16-07-2002
US 5754184 A	19-05-1998	NONE	
US 2003012427 A1	16-01-2003	EP 1286534 A2 JP 2003125214 A	26-02-2003 25-04-2003
EP 0974934 A	26-01-2000	JP 3305266 B2 JP 2000050088 A JP 3311295 B2 JP 2000050089 A EP 0974934 A2	22-07-2002 18-02-2000 05-08-2002 18-02-2000 26-01-2000
US 2003122842 A1	03-07-2003	NONE	
US 5333069 A	26-07-1994	US 5317425 A EP 0556133 A2 JP 5316336 A	31-05-1994 18-08-1993 26-11-1993
EP 0556133 A	18-08-1993	US 5317425 A EP 0556133 A2 JP 5316336 A US 5333069 A	31-05-1994 18-08-1993 26-11-1993 26-07-1994
EP 0993180 A	12-04-2000	JP 3072729 B2 JP 2000113174 A	07-08-2000 21-04-2000

EPO FORM PQ459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

BEST AVAILABLE COPY

page 1 of 2

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 04 36 4022

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-07-2005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0993180 A		DE 69909034 D1	31-07-2003
		DE 69909034 T2	29-04-2004
		EP 0993180 A1	12-04-2000
		US 6560358 B1	06-05-2003
US 2003030754 A1	13-02-2003	JP 2002369018 A	20-12-2002
US 5212546 A	18-05-1993	CA 2043180 A1	04-01-1992
		FR 2664414 A1	10-01-1992
		FR 2684477 A1	04-06-1993
		GB 2246266 A ,B	22-01-1992
		GB 2276511 A ,B	28-09-1994
		HK 1006769 A1	12-03-1999
		JP 6095633 A	08-04-1994
EP 1237379 A	04-09-2002	US 2002163657 A1	07-11-2002
		EP 1237379 A2	04-09-2002
		JP 2002374541 A	26-12-2002
WO 0178368 A	18-10-2001	AU 4991101 A	23-10-2001
		WO 0178368 A2	18-10-2001

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

BEST AVAILABLE COPY

page 2 of 2

INTERNATIONAL SEARCH REPORT

national Application No

PCT/US2005/008918

A. CLASSIFICATION OF SUBJECT MATTER
H04N1/60 H04N9/11

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/180892 A1 (CACCIATORE RAYMOND D ET AL) 5 December 2002 (2002-12-05) paragraphs '0016!, '0017!, '0045! - '0048!, '0113! -----	1-6
A	US 5 805 213 A (SPAULDING KEVIN E ET AL) 8 September 1998 (1998-09-08) column 7, line 33 - column 10, line 62 -----	1-6
A	EP 1 239 668 A (EASTMAN KODAK CO) 11 September 2002 (2002-09-11) paragraphs '0033! - '0043! -----	1-6
A	US 6 243 133 B1 (SPAULDING KEVIN E ET AL) 5 June 2001 (2001-06-05) column 7, line 30 - column 10, line 25 ----- -/--	1-6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

14 November 2005

Date of mailing of the international search report

08.12.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Pigniez, T

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/008918

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 102 478 A (CANON KABUSHIKI KAISHA) 23 May 2001 (2001-05-23) paragraph '0044! - paragraph '0047! -----	7,8
X	EP 0 948 194 A (SEIKO EPSON CORPORATION) 6 October 1999 (1999-10-06) paragraphs '0090! - '0100! -----	7,8
A	US 5 754 184 A (RING ET AL) 19 May 1998 (1998-05-19) abstract; figure 2 -----	7,8
X	US 2003/012427 A1 (MARTINEZ-URIEGAS EUGENIO ET AL) 16 January 2003 (2003-01-16) paragraph '0027! -----	9-12
X	EP 0 974 934 A (CANON KABUSHIKI KAISHA) 26 January 2000 (2000-01-26) paragraphs '0084! - '0103! -----	9-12
A	US 2003/122842 A1 (NEWMAN TODD) 3 July 2003 (2003-07-03) paragraphs '0041! - '0043! -----	9-12
X	US 5 333 069 A (SPENCE ET AL) 26 July 1994 (1994-07-26) abstract; figure 1 -----	13
X	EP 0 556 133 A (EASTMAN KODAK COMPANY) 18 August 1993 (1993-08-18) page 9, line 20 - line 39; figure 1 -----	13
A	EP 0 993 180 A (NEC CORPORATION) 12 April 2000 (2000-04-12) abstract; figure 1 -----	13
A	US 2003/030754 A1 (TSUKADA MASATO) 13 February 2003 (2003-02-13) paragraph '0027! -----	13
A	US 5 212 546 A (ARAZI ET AL) 18 May 1993 (1993-05-18) abstract; figure 2 -----	13
A	EP 1 237 379 A (EASTMAN KODAK COMPANY) 4 September 2002 (2002-09-04) abstract; figure 1 -----	13
A	WO 01/78368 A (DEMOGRAFX; DEMOS, GARY, E; RUHOFF, DAVID) 18 October 2001 (2001-10-18) abstract; figure 1 -----	13

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/008918

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002180892	A1	05-12-2002	AU 4349900 A WO 0063840 A1 US 6417891 B1	02-11-2000 26-10-2000 09-07-2002
US 5805213	A	08-09-1998	NONE	
EP 1239668	A	11-09-2002	DE 60200724 D1 DE 60200724 T2 JP 2002359858 A US 2002163676 A1	19-08-2004 04-08-2005 13-12-2002 07-11-2002
US 6243133	B1	05-06-2001	NONE	
EP 1102478	A	23-05-2001	JP 2001218079 A US 6603483 B1	10-08-2001 05-08-2003
EP 0948194	A	06-10-1999	JP 11317881 A US 6181445 B1 US 6421142 B1	16-11-1999 30-01-2001 16-07-2002
US 5754184	A	19-05-1998	NONE	
US 2003012427	A1	16-01-2003	EP 1286534 A2 JP 2003125214 A	26-02-2003 25-04-2003
EP 0974934	A	26-01-2000	NONE	
US 2003122842	A1	03-07-2003	NONE	
US 5333069	A	26-07-1994	EP 0556133 A2 JP 5316336 A US 5317425 A	18-08-1993 26-11-1993 31-05-1994
EP 0556133	A	18-08-1993	JP 5316336 A US 5317425 A US 5333069 A	26-11-1993 31-05-1994 26-07-1994
EP 0993180	A	12-04-2000	DE 69909034 D1 DE 69909034 T2 JP 3072729 B2 JP 2000113174 A US 6560358 B1	31-07-2003 29-04-2004 07-08-2000 21-04-2000 06-05-2003
US 2003030754	A1	13-02-2003	JP 2002369018 A	20-12-2002
US 5212546	A	18-05-1993	CA 2043180 A1 FR 2664414 A1 FR 2684477 A1 GB 2246266 A HK 1006769 A1 JP 6095633 A	04-01-1992 10-01-1992 04-06-1993 22-01-1992 12-03-1999 08-04-1994
EP 1237379	A	04-09-2002	JP 2002374541 A US 2002163657 A1	26-12-2002 07-11-2002
WO 0178368	A	18-10-2001	AU 4991101 A	23-10-2001